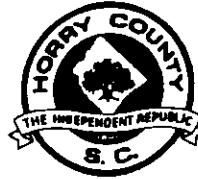


Horry County Code Enforcement

1301 2nd Ave Suite 1D09
Conway, SC 29526



Phone: (843) 915-5090
(843) 205-5090

Fax: (843) 915-6090

Permit 16773

MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

In accordance with this community's participation in the National Flood Insurance Program's Community Rating System, all FEMA Elevation Certificates must be correct and complete. The attached Certificate has some incorrect items which are noted here.

SECTION A - PROPERTY INFORMATION		For Insurance Company U
A1. Building Owner's Name	<u>Jeffrey Black</u>	Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No. for P.O. Route and Box No.)	<u>4909 Sweeney Blvd</u>	Company NAIC Number
City	<u>Suiteside Beach SC 29575</u>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)	<u>Long Bay Estates TMS 1920201005</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)	_____	
A5. Latitude/Longitude: Lat. _____ Long _____	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD _____	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.	_____	
A7. Building Diagram Number	<u>5</u>	
A8. For a building with a crawl space or enclosure(s), provide: a) Square footage of crawl space or enclosure(s) _____ sq ft b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____ c) Total net area of flood openings in A8.b _____ sq in d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	A9. For a building with an attached garage, provide: a) Square footage of attached garage _____ sq ft b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____ c) Total net area of flood openings in A9.b _____ sq in d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number		B2. County Name		B3. State	
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation (use base flood de

- B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
 FIS Profile FIRM Community Determined Other (Describe) _____
- B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: _____
- B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?
 Yes No
 Designation Date _____ CBRS OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

- C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.
- C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO.
 Complete Items C2.a-h below according to the building diagram specified in Item A7.
 Benchmark Utilized _____ Vertical Datum _____
- Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____

COMMENTS:

Engineer letter re: breaking up
A7, A8, + A9 corrected

Date of Review: 2-26-15 Community Official: Michael Orl

ELEVATION CERTIFICATE

OMB No. 1660-0045
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

OK HR15 #164453-16773
1/30/2012
53

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name JEFFREY T. BLACK, ETAL		For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 4909 SOUTH OCEAN BOULEVARD		Policy Number
City SURFSIDE BEACH State SC ZIP Code 29575		Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 1, BLOCK 5, LONG BAY ESTATES, TMS# 192-02-01-005		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL		
A5. Latitude/Longitude: Lat. 33.3825 Long. 78.5618		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 6		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) 3,300 sq ft		a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 0		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b 0 sq in		c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number HORRY COUNTY, 450104		B2. County Name HORRY		B3. State SC	
B4. Map/Panel Number 45051 C0 694	B5. Suffix H	B6. FIRM Index Date 9/17/2003	B7. FIRM Panel Effective/Revised Date 8/23/1999	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 20
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.
Benchmark Utilized **7.29** Vertical Datum **NGVD 1929**
Conversion/Comments **QCRM MON# 5240-B**

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 9.34	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor 22.57	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) 21.04	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 21.89	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) 8.37	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 9.02	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 7.86	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

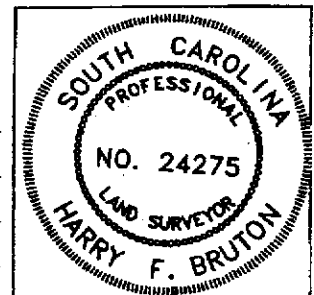
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Certifier's Name **HARRY F. BRUTON** License Number **24275**

Title **PROFESSIONAL LAND SURVEYOR** Company Name **HARRY F. BRUTON & ASSOCIATES**

Address **905-2 SEA MTN. HWY** City **NORTH MYRTLE BEACH** State **SC** ZIP Code **29582**

Signature **H F Bruton** Date **3/29/2012** Telephone **843/281/8822**



164453-16773

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use: 2714
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 4909 SOUTH OCEAN BOULEVARD	Policy Number 017
City SURFSIDE BEACH State SC ZIP Code 29575	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments FINAL CONSTRUCTION ELEVATION CERTIFICATE. RESIDENCE IS A RAISED TWO STORY WITH PARKING & STORAGE BENEATH. PARKING & STORAGE AREA BENEATH IS CONSTRUCTED WITH (BREAK-AWAY WALLS) THUS NO VENTS ARE REQUIRED. LOWEST HORIZONTAL MEMBER @ 21.04'. MECHANICALS @ 21.89'. FINISH FLOOR @ 22.57'. ELEVATION OF CONCRETE SLAB BENEATH @ 9.34'. LOWEST ELEVATION OF ADJACENT REAR STEPS @ 7.86'.

Signature Z. F. Baker Date 3/29/2012 Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG):
 - a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name _____

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters (PR) Datum _____
- G10. Community's design flood elevation _____ feet meters (PR) Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

Check here if attachments

OCT-19-2011 11:38 From:HC CODE ENFORCEMENT 8439156290

To:92356341 626-3388

Sample V Zone Certification

V-Zone Certification				
Property Information			For Insurance Company Use	
Name of Building Owner JEFFREY AND STEPHANIE BLACH			Policy Information	
Building Address or Other Description 4909 SOUTH OCEAN BLVD, MYRTLE BEACH, S.C.				
City MYRTLE BEACH			State SC	Zip 29585
SECTION I: FLOOD INSURANCE RATE MAP (FIRM) INFORMATION				
<i>Note: To be obtained from appropriate FIRMs</i>				
Community No. 450104	Panel No. 4505760694	Suffix H	Date of FIRM Index 8/23/99	FIRM Zone VE
SECTION II: ELEVATION INFORMATION				
<i>Note: This form is not a substitute for an Elevation Certificate. Elevations should be rounded to nearest tenth of a foot.</i>				
1. Elevation of the Bottom of Lowest Horizontal Structure Member			21.08 feet	
2. Base Flood Elevation			20.00 feet	
3. Elevation of Lowest Adjacent Grade			9.0 feet	
4. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design			32" feet	
5. Embedment Depth of Piling or Foundation Below Lowest Adjacent Grade			40'-45" feet	
6. Datum Used		<input checked="" type="checkbox"/> NGVD '29	<input type="checkbox"/> NAVD '88	<input type="checkbox"/> Other
SECTION III: FLOOD INSURANCE RATE MAP (FIRM) INFORMATION				
<i>Note: This section must be certified by a registered professional engineer or architect.</i>				
I certify that I have developed or reviewed the structural design, plans and specifications for construction and that the methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:				
a.) The bottom of the lowest horizontal structure member of the lowest floor (excluding the pilings or columns) is elevated to or above the BFE; and				
b.) The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood including wave action. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the flood, including wave action.				
SECTION IV: FLOOD INSURANCE RATE MAP (FIRM) INFORMATION				
<i>Note: This section must be certified by a registered professional engineer or architect.</i>				
I certify that I have developed or reviewed the structural design, plans and specifications for construction and that the methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:				
c.) Breakaway collapse shall result from water load less than that which would occur during the base flood; and,				
d.) The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (wind and water loading values defined in Section III).				
SECTION V: CERTIFICATION				
<i>(Check Section III and/or Section IV)</i>				
Name of Certifier William James			Title OWNER	
Firm Name DAVID ENGINEERING			License No. 19639	
Street Address 3338 HINDS RIVER ROAD			Phone No. (843) 235-6340	
City MYRTLE BEACH			State SC	Zip 29585



February 19, 2015

Mr Mike O'dea
Horry County Code Enforcement
1309 2nd Ave., Rm. 1D09
Conway, S.C. 29526

Handwritten:
Mike
2-26-15

Subject: Black Residence
Long Bay Estates
Myrtle Beach, S.C.

Dear Mr. Farria:

- Ground floor louvered enclosures at subject residence has been constructed as "Breakaway Walls" in accordance with FEMA guidelines in Coastal Construction Manual (FEMA 55) 12.4.6

If you should have any questions regarding this matter, please don't hesitate to call Craig Daniel @ 255-6740

Sincerely,

Handwritten signature: Craig Daniel

Craig Daniel, P.E.